



PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/573130
				Filing Date	March 23, 2006
				First Named Inventor	Rainer Stürmer
				Art Unit	1625
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number 13111-00035-US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number+Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Y.O	AA*	US-6,645,746-B1	11-11-2003	KIZAKI NORIYUKI et al.	
Y	AB	US-5,362,886-A	11-08-1994	BERGLUND RICHARD A.	
Y	AC	US-6,596,520-B1	07-22-2003	FRIEDRICH THOMAS et al.	
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Y.O	BA	EP-0273658-B1	10-31-1990	ELI LILLY AND COMPANY	
Y	BB	EP-0457559-A2	11-21-1991	ELI LILLY AND COMPANY	
Y	BC	EP-1149849-B1	10-31-2001	BASF AKTIENGESELLSCHAFT	Not Translated

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
Y.O	CA	WHEELER, WILLIAM J., ET AL., "An Asymmetric Synthesis of Duloxetine Hydrochloride, a Mixed Uptake Inhibitor of Serotonin and Norepinephrine, and Its C-14 Labeled Isotopomers", Journal of Labelled Compounds and Radiopharmaceuticals (1995), Vol. 36, No. 3, pp. 213-223.			
	CB	KAMAL, AHMED, ET AL., "Chemoenzymatic Synthesis of Duloxetine and Its Enantiomer: Lipase-Catalyzed Resolution of 3-Hydroxy-3-(2-thienyl) Propanenitrile", Tetrahedron Letters (2003), Vol. 44, No. 25, pp. 4783-4787.			
	CC	LIU, HUILING, ET AL., "Chemo-Enzymatic Synthesis of the Antidepressant Duloxetine and Its Enantiomer", Chirality (2000), Vol. 12, No. 1, pp. 26-29.			
	CD	HUMMEL, WERNER, "New Alcohol Dehydrogenases for the Synthesis of Chiral Compounds", Advances in Biochemical Engineering (1997), Vol. 58, pp. 145-184.			
	CE	RIEBEL-BOMMARIUS, B.R., "Lactobacillus brevis radh Gene for R-specific Alcohol Dehydrogenase", February 14, 2003, Accession No. AJ544275.			
	CF	HUMMEL, W., ET AL., "Sequence 7 from Patent US 6225099", August 9, 2001, Accession No. AR148418.			
	CG	KIZAKI, N., ET AL., "DNA Encoding Candida magnoliae Carbonyl Reductase", August 31, 2001, Accession No. AAH27641.			
	CH	BREUER, MICHAEL, ET AL., "Industrial Methods for the Production of Optically Active Intermediates", Angew. Chem. Int. Ed. (2004), Vol. 43, No. 7, pp. 788-824.			
	CI	ETIENNE, ANDRÉ, ET AL., "Acide Benzoyl-2 Éthanesulfuaïque, Acide (Thénoyl-2)-2 Éthanesulfuaïque et Quelques Uns de Leurs Dérivés", C. R. Acad. Sc. Paris (1979), Vol. 288, No. 1, pp. 49-52.			

Examiner Signature 465903	T. A. Solola	Date Considered	12-6-07
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				First Named Inventor	Rainer Stürmer
				Art Unit	AIA 1625
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	13111-00035-US

Y0	CJ	METH-COHN, OTTO, ET AL., "Thiophene Analogues of Indenes - I. The Synthesis of Indane Analogous", <i>Acta Chem. Scand.</i> (1966), Vol. B20, No. 6, pp. 1577-1587.
	CK	COREY, ELIAS J., ET AL., "Reduktion von Carbonylverbindungen mit Chiralen Oxazaborolidin-Katalysatoren: Eine Neue Enantioselektive Katalyse und Leistungsfähige Synthesemethode", <i>Angew. Chem.</i> (1998), Vol. 110, pp. 2092-2118. <i>Not translated</i>
Y0	CL	NOYORI, R., ET AL., "Asymmetric Catalysis by Architectural and Functional Molecular Engineering: Practical Chemo- and Stereoselective Hydrogenation of Ketones", <i>Angew. Chem. Int. Ed.</i> (2001), Vol. 40, pp. 41-73.
	CM	COREY, E.J., "New Enantioselective Routes to Biologically Interesting Compounds", <i>Pure &amp; Appl. Chem.</i> (1990), Vol. 62, Vol. 7, pp. 1209-1216.
	CN	COREY, E.J., "A General, Catalytic, and Enantioselective Synthesis of $\alpha$ -Amino Acids", <i>J. Am. Chem. Soc.</i> (1992), Vol. 114, pp. 1906-1908.
	CO	HUMMEL, WERNER, ET AL., "Towards a Large-Scale Asymmetric Reduction Process with Isolated Enzymes: Expression of an (S)-Alcohol Dehydrogenase in <i>E. coli</i> and Studies on the Synthetic Potential of this Biocatalyst", <i>Adv. Synth. Catal.</i> (2003), Vol. 345, No. 1+2, pp. 153-159.
	CP	PEARSON, WILLIAM R., ET AL., "Improved Tools for Biological Sequence Comparison", <i>Proc. Natl. Acad. Sci. USA</i> (1988), Vol. 85, pp. 2444-2448.
	CQ	NARANG, SARAN A., "DNA Synthesis", <i>Tetrahedron</i> (1983), Vol. 39, No. 1, pp. 3-22.
	CR	ITAKURA, KEIICHI, ET AL., "Synthesis and Use of Synthetic Oligonucleotides", <i>Ann. Rev. Biochem.</i> (1984), Vol. 53, pp. 323-56.
	CS	ITAKURA, KEIICHI, ET AL., "Expression in <i>Escherichia coli</i> of a Chemically Synthesized Gene for the Hormone Somatostatin", <i>Science</i> (1977), Vol. 198, pp. 1056-1063.
	CT	IKE, YOSHIMASA, ET AL., "Solid Phase Synthesis of Polynucleotides. VIII. Synthesis of Mixed Oligodeoxyribonucleotides by the Phosphotriester Solid Phase Method", <i>Nucleic Acids Research</i> (1983), Vol. 11, No. 2, pp. 477-488.
	CU	ARKIN, ADAM P., ET AL., "An Algorithm for Protein Engineering: Simulations of Recursive Ensemble Mutagenesis", <i>Proc. Natl. Acad. Sci. USA</i> (1992), Vol. 89, pp. 7811-7815.
	CV	DELAGRAVE, SIMON, ET AL., "Recursive Ensemble Mutagenesis", <i>Protein Engineering</i> (1993), Vol. 6, No. 3, pp. 327-331.
	CW	THOMAS, KIRK R., ET AL., "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells", <i>Cell</i> (1987), Vol. 51, pp. 503-512.
	CX	TAKESHITA, SUNAO, ET AL., "High-copy-number and Low-copy-number Plasmid Vectors for <i>lacZ</i> $\alpha$ -Complementation and Chloramphenicol- or Kanamycin-Resistance Selection", <i>Gene</i> (1987), Vol. 61, pp. 63-74.
	CY	TOMOYASU, TOSHIFUMI, ET AL., "Genetic Dissection of the Roles of Chaperones and Proteases in Protein Folding and Degradation in the <i>Escherichia coli</i> Cytosol", <i>Molecular Microbiology</i> (2001), Vol. 40, No. 2, pp. 397-413.

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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1A P20 Rec'd FCT TO 23 MAR 2006

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				Not Yet Assigned 5130	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Concurrently Herewith	
(Use as many sheets as necessary)				First Named Inventor Rainer Stürmer	
				Art Unit 1625	
				Examiner Name Not Yet Assigned	
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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
Y0	BA	JP-2003-192681-A	07-09-2003	Mitsubishi Rayon Co.	See Abstract
Y1	BB	DE-102 48 479-A1	05-06-2004	Consortium Elektrochem Ind.	See Abstract
Y1	BC	DE-102 48 480- A1	05-06-2004	Consortium Elektrochem Ind.	See Abstract

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